

DES MOINES 62 MI.

4594

4593

540 C

FEET

4592

27'30

• •

3 A

6

LINE

MO

5

5

**TRANSMITTING SITE LOCATION
PROPOSED NEW FM STATION
AUDUBON, IOWA
CHANNEL 243C1 - 96.5 MHz**

SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

EXHIBIT NO. E-4

**CALCULATED COVERAGE CONTOURS
NEW FM BROADCAST STATION
AUDUBON, IOWA
ERP 100 KW AT 159 METRES AAT**

AZIMUTH DEGREES	ANTENNA HAAT (METRES)	E.R.P. IN KW	70 dBu KILOMETRES	60 dBu KILOMETRES
0	153	100.0	38.4	58.8
45	129	100.0	35.6	55.4
90	148	100.0	37.9	58.1
135	163	100.0	39.6	59.9
180	154	100.0	38.6	58.9
225	181	100.0	41.4	62.0
270	179	100.0	41.3	61.8
315	168	100.0	40.1	60.5
337*	160	100.0	39.2	59.6

Antenna height above average terrain = 159 METRES

* Radial through principal community, NOT included in average
Average figures are expressed to the nearest whole
number and are based on accuracy to nearest metre.

EXHIBIT NO. E - 5

AUDUBON CITY LIMITS

60 DBU
1 MV/M
CONTOUR

70 DBU
3.16 MV/M
CONTOUR

PROPOSED SITE

GALLAGHER & ASSOCIATES
CONSULTING RADIO ENGINEERS

THE FIELD STRENGTH CONTOURS SHOWN ON THIS
MAP WERE CALCULATED USING THE PROCEDURES
SET FORTH IN THE FCC RULES. ACTUAL FIELD
STRENGTH MAY BE DIFFERENT THAN SHOWN.

CALCULATED COVERAGE CONTOURS
NEW FM BROADCAST STATION
AUDUBON, IOWA
ERP 100 KW AT 159 METRES AAT
CHANNEL 243C1 - 96.5 MHz

CF-17
WORLD AERONAUTICAL CHART
SCALE 1:1,000,000

